


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE		ATTORNEY'S DOCKET NUMBER <b>294254US0PCT</b>
<b>TRANSMITTAL LETTER TO THE UNITED STATES</b>		<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> <b>10/587852</b>
<b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b> <b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		
INTERNATIONAL APPLICATION NO. <b>PCT/FR05/50053</b>	INTERNATIONAL FILING DATE <b>January 28, 2005</b>	PRIORITY DATE CLAIMED <b>January 30, 2004</b>
<b>TITLE OF INVENTION</b> <b>LAB-ON-A-CHIP COMPRISING A COPLANAR MICROFLUIDIC SYSTEM AND ELECTROSPRAY NOZZLE</b>		
<b>APPLICANT(S) FOR DO/EO/US</b> <b>Nicolas SARRUT, et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).               <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).               <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> If the declaration is in a language other than the English language, it is accompanied by an English translation. The translation is accurate (37 CFR 1.69)</li> </ol> </li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p><b>Items 13 to 23 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.               <div style="display: flex; justify-content: space-between; padding: 0 20px;"> <span>a. <input type="checkbox"/> PTO-1449</span> <span>b. <input type="checkbox"/> Cited References</span> <span>c. <input type="checkbox"/> Statement of Relevancy</span> <span>d. <input type="checkbox"/> List of Related Cases.</span> </div> </li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>18. <input type="checkbox"/> A substitute specification.</li> <li>19. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>20. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>21. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>23. <input checked="" type="checkbox"/> Other items or information: Notice of Priority/Request for Consideration/Drawings (16 sheets)</li> </ol>		

U.S. APPLICATION NO. (if known) <b>10/587852</b> INTERNATIONAL APPLICATION NO. <b>PCT/FR05/50053</b>		ATTORNEY'S DOCKET NUMBER <b>294254US0PCT</b>																	
The following fees are submitted:  24. <input checked="" type="checkbox"/> Basic national fee..... \$300  25. <input checked="" type="checkbox"/> Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .... \$0 All other situations..... \$200  26. <input checked="" type="checkbox"/> Search fee If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations..... \$500		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td>\$300.00</td> <td></td> </tr> <tr> <td>\$200.00</td> <td></td> </tr> <tr> <td>\$400.00</td> <td></td> </tr> <tr> <td><b>TOTAL OF 24, 25 AND 26 =</b></td> <td><b>\$900.00</b></td> </tr> </table>		CALCULATIONS	PTO USE ONLY	\$300.00		\$200.00		\$400.00		<b>TOTAL OF 24, 25 AND 26 =</b>	<b>\$900.00</b>						
CALCULATIONS	PTO USE ONLY																		
\$300.00																			
\$200.00																			
\$400.00																			
<b>TOTAL OF 24, 25 AND 26 =</b>	<b>\$900.00</b>																		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole)</th> <th>RATE</th> </tr> <tr> <td>- 100 =</td> <td>/ 50 =</td> <td></td> <td>x \$250.00</td> </tr> </table>				Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE	- 100 =	/ 50 =		x \$250.00								
Total Sheets	Extra Sheets			Number of each additional 50 or fraction thereof (round up to a whole)	RATE														
- 100 =	/ 50 =		x \$250.00																
<input type="checkbox"/> Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>9 - 20 =</td> <td>0</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$200.00</td> </tr> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	9 - 20 =	0	x \$50.00	Independent claims	1 - 3 =	0	x \$200.00	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> <tr> <td>\$</td> <td></td> </tr> </table>		\$		\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																
Total claims	9 - 20 =	0	x \$50.00																
Independent claims	1 - 3 =	0	x \$200.00																
\$																			
\$																			
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$360.00</td> <td></td> </tr> </table>		\$360.00															
\$360.00																			
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1,260.00</b>																	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.																			
<b>SUBTOTAL =</b>																			
<input type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$															
\$																			
<b>TOTAL NATIONAL FEE =</b>		<b>\$1,260.00</b>																	
<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$															
\$																			
<input type="checkbox"/> Petition fee of \$1,500.00 for Petition to Revive (37 CFR 1.137 (b)).		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>\$</td> <td></td> </tr> </table>		\$															
\$																			
<b>TOTAL FEES ENCLOSED =</b>		<b>\$1,260.00</b>																	
		Amount to be refunded: \$																	
		Amount to be charged: \$																	
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.  b. <input type="checkbox"/> Please charge my Deposit Account No. <u>15-0030</u> in the amount of \$_____ to cover the above fees.  c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0030</u> . A duplicate copy of this sheet is enclosed.  d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																			
SEND ALL CORRESPONDENCE TO:																			
CUSTOMER NUMBER <b>22850</b> Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 1/06)		SIGNATURE  <b>Norman F. Oblon</b> NAME <b>24,618</b> REGISTRATION NUMBER																	
		<b>Corwin P. Umbach, Ph.D.</b> <b>Registration No. 40,211</b>																	

IAP5 Rec'd PCT/PTO 28 JUL 2006  
**10/587852**

DOCKET NO.: 294254US0PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Nicolas SARRUT, et al.

SERIAL NO.: NEW U.S. PCT APPLICATION

FILED: HERewith

INTERNATIONAL APPLICATION NO.: PCT/FR05/50053

INTERNATIONAL FILING DATE: January 28, 2005

FOR: LAB-ON-A-CHIP COMPRISING A COPLANAR MICROFLUIDIC SYSTEM AND  
ELECTROSPRAY NOZZLE

**REQUEST FOR CONSIDERATION OF DOCUMENTS**  
**CITED IN INTERNATIONAL SEARCH REPORT**

Commissioner for Patents  
Alexandria, Virginia 22313

Sir:

In the matter of the above-identified application for patent, notice is hereby given that applicant(s) request that the Examiner consider the documents cited in the International Search Report according to MPEP §609 and so indicate by a statement in the first Office Action that the information has been considered. When the Form PCT/DO/EO/903 indicates both the search report and copies of the documents are present in the national stage file, there is no requirement for the applicant(s) to submit them (1156 O.G. 91 November 23, 1993).

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



---

Norman F. Oblon  
Attorney of Record  
Registration No. 24,618  
Surinder Sachar  
Registration No. 34,423

**Corwin P. Umbach, Ph.D.**  
**Registration No. 40,211**

Customer Number  
**22850**

(703) 413-3000  
Fax No. (703) 413-2220  
(OSMMN 08/03)